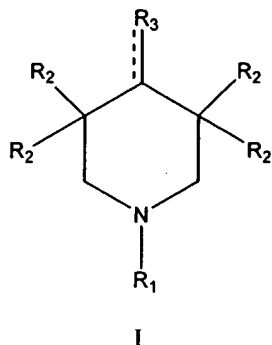


Claims

1. A compound of the following formula I or a pharmaceutically acceptable salt thereof:

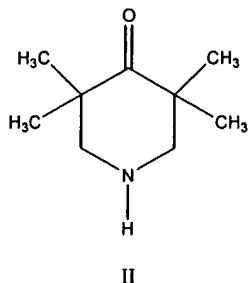


wherein,

R₁ and each of R₂, the same or different, independently represent hydrogen atom or C₁-C₅ alkyl;

----- represents a single bond or a double bond, when ----- is a double bond, R₃ is oxygen atom; when ----- is a single bond, R₃ is hydroxyl group.

2. The compound of claim 1, which has the following formula II:



3. *Marasmius androsaceus* L.es Fr extract, characterized by comprising the compound of formula II as claimed in claim 2.

4. A pharmaceutical composition, comprising the compounds as claimed in claims 1 or 2 or the *Marasmius androsaceus* L.es Fr extract as claimed in claim 3, and one or more pharmaceutically acceptable carrier or excipient.

5. The pharmaceutical composition of claim 4, in a dosage form suitable for oral, injection or topical administration.

6. A method for preparing *Marasmius androsaceus* L.es Fr extract, which comprises extracting fungi *Marasmius androsaceus* L.es Fr with an organic solvent, an aqueous organic solvent or water, and concentrating the obtained extractive.

7. A method for preparing the compound of formula I according to claim 1, which comprises extracting fungi *Marasmius androsaceus* L.es Fr with an organic solvent, an aqueous organic solvent or water to obtain an extract, separating and purifying the extract thereby obtaining a compound monomer of formula II, and then deriving the compound monomer by reacting it with a calculated amount of alkyl halide under basic condition.

8. The method of claim 6 or 7, wherein the organic solvent is methanol, ethanol, propanol, butanol, dichloromethane, trichloromethane, methyl acetate, ethyl acetate, petroleum or diethyl ether.

9. Use of the compound as claimed in claim 1 or 2 or the *Marasmius androsaceus* L.es Fr extract as claimed in claim 3 in the preparation of a medicament for the prevention and/or treatment of hypertension and its related diseases.

10. Use of claim 9, wherein the hypertension and its related diseases include simple hypertension, coronary heart diseases caused by hypertension and other cardio- and cerebro-vascular diseases.